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Attorneys for Plaintiff

UNITED STATES DISTRICT COURT  
WESTERN DISTRICT OF WASHINGTON  
AT SEATTLE

WASTE ACTION PROJECT,	)	
	)	
Plaintiff,	)	
v.	)	COMPLAINT
	)	
GIRARD RESOURCES & RECYCLING,	)	
LLC,	)	
	)	
Defendant.	)	
	)	
_____	)	

**I. INTRODUCTION**

1. This action is a citizen suit brought under Section 505 of the Clean Water Act (“CWA”) as amended, 33 U.S.C. § 1365. Plaintiff Waste Action Project seeks a declaratory judgment, injunctive relief, the imposition of civil penalties, and the award of costs, including attorneys’ and expert witnesses’ fees, for Defendant Girard Resources & Recycling, LLC’s repeated and ongoing violations of Sections 301(a) of the CWA, 33 U.S.C. § 1311(a), specifically, the discharge of pollutants, including stormwater associated with industrial activity,

1 to navigable waters via point source without authorization by a National Pollutant Discharge  
2 Elimination System (“NPDES”) permit issued under Section 402, 33 U.S.C. § 1342.

## 3 II. JURISDICTION AND VENUE

4 2. The Court has subject matter jurisdiction under Section 505(a) of the CWA, 33  
5 U.S.C. § 1365(a). The relief requested herein is authorized by 33 U.S.C. §§ 1319(d) and  
6 1365(a).  
7

8 3. Under Section 505 (b)(1)(A) of the CWA, 33 U.S.C. § 1365(b)(1)(A), Plaintiff  
9 notified Defendant of Plaintiff’s intent to sue under the CWA by letter dated January 8, 2021 and  
10 delivered January 11, 2021 (the “Notice Letter”). A Copy of the Notice Letter is attached to this  
11 complaint as Exhibit 1. The allegations in sections I and II of the Notice Letter are incorporated  
12 herein by this reference. Plaintiff notified Defendant’s registered agent in Washington by  
13 mailing copies of the Notice Letter to them on January 8, 2021. Plaintiff notified the  
14 Administrator of the United States Environmental Protection Agency (“USEPA”), the  
15 Administrator of USEPA Region 10, and the Director of the Washington Department of Ecology  
16 (“WDOE”) of Plaintiff’s intent to sue Defendants by mailing copies of the Notice Letter to these  
17 officials on January 8, 2021.  
18  
19

20 4. More than sixty days have passed since the Notice Letter was served and the  
21 violations complained of in the Notice Letter identified below are continuing or are reasonably  
22 likely to continue to occur. Defendant is in violation of the CWA. No agency has commenced  
23 any action constituting diligent prosecution to redress these violations.  
24

25 5. The content of the Notice Letter and the receipt of the Notice Letter by Defendant  
26 met all legal requirements for providing notice before commencing a citizen suit under the Clean  
27 Water Act.  
28

**III. PARTIES**

7. Plaintiff Waste Action Project is suing on behalf of itself and its member(s). Waste Action Project is a non-profit corporation registered in the State of Washington. Waste Action Project is a membership organization and has at least one member who is injured by Defendant's violations. Waste Action Project is dedicated to protecting and preserving the environment of Washington State, especially the quality of its waters.

### III. PARTIES

7. Plaintiff Waste Action Project is suing on behalf of itself and its member(s). Waste Action Project is a non-profit corporation registered in the State of Washington. Waste Action Project is a membership organization and has at least one member who is injured by Defendant's violations. Waste Action Project is dedicated to protecting and preserving the environment of Washington State, especially the quality of its waters.

8. Plaintiff has representational standing to bring this action. Waste Action Project's members are reasonably concerned about the effects of discharges of pollutants, including stormwater from Defendant's facility, on aquatic species and wildlife that Plaintiff's members observe, study, and enjoy. Waste Action Project's members are further concerned about the effects of discharges from Defendant's facility on human health. In addition, discharges from Defendant's facility lessen Waste Action Project's members' aesthetic enjoyment of nearby areas. Waste Action Project's members' concerns about the effects of Defendant's discharges are aggravated by Defendant's failure to record and report information about its discharges and pollution controls. The recreational, scientific, economic, aesthetic and/or health interests of Waste Action Project and its member(s) have been, are being, and will be adversely affected by Defendant's violations of the CWA. The relief sought in this lawsuit can redress the injuries to these interests.

1           9.       Plaintiff has organizational standing to bring this action. Plaintiff has been  
2 actively engaged in a variety of educational, advocacy, and restoration efforts to improve water  
3 quality and to address sources of water quality degradation in the waters of western Washington,  
4 including the Snoqualmie River watershed, the Snohomish River and Puget Sound, downstream  
5 of Defendant's facility and pollutant discharges. Defendant has failed to fulfill monitoring,  
6 recordkeeping, reporting and planning requirements, among others, necessary for compliance  
7 with an NPDES permit and the CWA. As a result, Plaintiff is deprived of information necessary  
8 to properly serve its members by providing information and taking appropriate action. Plaintiff's  
9 efforts to educate and advocate for greater environmental protection, and to ensure the success of  
10 environmental restoration projects implemented for the benefit of its members are also  
11 precluded. Finally, Plaintiff and the public are deprived of information that influences members  
12 of the public to become members of Waste Action Project, thereby reducing Waste Action  
13 Project's membership numbers. Thus, Plaintiff's organizational interests have been adversely  
14 affected by Defendant's violations. These injuries are fairly traceable to Defendant's violations  
15 and redressable by the Court.

16           10.       Defendant Girard Resources & Recycling, LLC ("Girard") is a corporation  
17 authorized to conduct business in the State of Washington.

18           11.       Girard owns and/or operates a material processing, storage and disposal facility  
19 located at or about 38194 SE Stearns Road, Snoqualmie, WA 98065, including any contiguous  
20 or adjacent properties operated by Girard (the "facility" or "site"). Girard operates the facility for  
21 industrial activities, including but not limited to concrete processing and recycling, slurry  
22 processing and disposal, material dumping, stockpiling and distribution, and other waste disposal  
23 activities, among others.

#### IV. LEGAL & FACTUAL BACKGROUND

12. Section 301(a) of the CWA, 33 U.S.C. § 1311(a), prohibits the discharge of pollutants by any person, unless in compliance with the provisions of the CWA. Section 301(a) prohibits, inter alia, such discharges not authorized by, or in violation of, the terms of a NPDES permit issued pursuant to Section 402 of the CWA, 33 U.S.C. § 1342.

13. The State of Washington has established a federally approved state NPDES program administered by the WDOE. Wash. Rev. Code § 90.48.260; Wash. Admin. Code ch. 173-220. This program was approved by the Administrator of the USEPA pursuant to 33 U.S.C. § 1342(b).

14. Pursuant to Section 402(a) of the CWA, 33 U.S.C. § 1342(a), the WDOE has repeatedly issued certain general NPDES permit (“General Permits”) to authorize those that obtain coverage under a General Permit to discharge stormwater associated with certain industrial activities, a pollutant under the CWA, to waters of the State subject to certain terms and conditions.

15. The WDOE has repeatedly issued the Industrial Stormwater General Permit (the “ISGP” or “General Stormwater Permit”), most recently on November 20, 2019, effective January 2, 2020 (the “2020 ISGP”). The ISGP, in its various iterations since its first issuance in 1993 containing comparable requirements, authorizes those that obtain coverage under the ISGP to discharge stormwater associated with certain industrial activities, a pollutant under the CWA, and other pollutants contained in the stormwater, to the waters of the State subject to its terms and conditions.

16. The WDOE has also repeatedly issued the Sand and Gravel General Permit (the “SGGP”), most recently on February 17, 2021, which became effective April 1, 2021 and expires

1 March 31, 2026 (the “2021 SGGP”). The prior iteration of the SGGP was issued February 17,  
2 2016, which was modified effective April 1, 2018 and expired March 31, 2021 (the “2016  
3 SGGP”). The SGGP, in its various iterations since its first issuance containing comparable  
4 requirements, authorizes those that obtain coverage under the SGGP to discharge stormwater  
5 associated with certain industrial activities, a pollutant under the CWA, among others, to the  
6 waters of the State subject to its terms and conditions.  
7

8 17. The WDOE may also issue individual NPDES permits, in lieu of or in  
9 combination with a General Permit, authorizing a permittee to discharge stormwater associated  
10 with industrial activities to waters of the State subject to terms and conditions, including effluent  
11 standards or limitations.  
12

13 18. The ISGP and SGGP, as well as individual NPDES permits, impose certain terms  
14 and conditions on those covered thereby, including monitoring and sampling of discharges,  
15 reporting and recordkeeping requirements, as well as restrictions on the quality of stormwater  
16 discharges. 40 C.F.R. 122.41 – 122.48. To reduce and eliminate pollutant concentrations in  
17 stormwater discharges, the ISGP and SGGP require, among other things, that permittees develop  
18 and implement best management practices (“BMPs”) and a Stormwater Pollution Prevention  
19 Plan (“SWPPP”), and apply all known and reasonable methods of prevention, control, and  
20 treatment (“AKART”) to discharges.  
21  
22

23 19. Girard’s site is engaged in industrial activities as defined by 40 C.F.R. §  
24 122.26(b)(14).  
25

26 20. Girard’s site is engaged in operation of an industrial plant yard related to waste  
27 disposal, concrete processing, recycling and disposal, slurry processing and disposal, and  
28

1 material and waste dumping, stockpiling and distribution, among other activities. 40 C.F.R. §  
2 122.26(b)(14).

3 21. Girard's site includes immediate access roads used or traveled by carriers of raw  
4 materials, manufactured products, waste material, or by-products used or created by the facility,  
5 material handling areas, refuse sites, areas used for the storage and maintenance of material  
6 handling equipment, areas used for residual treatment, storage or disposal, and storage areas for  
7 raw materials or intermediate or final products, among others. 40 C.F.R. § 122.26(b)(14).  
8

9 22. Girard's facility discharges stormwater and other pollutants via point source,  
10 including via runoff from the facility, via the facility driveway, ditches, pipes, rivulets, channels,  
11 roadside drains, and compacted surfaces, among other point sources, to an unnamed tributary to  
12 the Snoqualmie River and to the Snoqualmie River itself, both of which are "navigable waters  
13 under the Clean Water Act.  
14

15 23. There is no NPDES permit authorizing the point source pollutant discharges to  
16 waters of the United States described in this Complaint.  
17

18 24. Girard's Waste Discharge Permit No. ST0045516 does not authorize any  
19 discharge of stormwater or other pollutants directly to navigable waters and is not an NPDES  
20 permit. This permit instead authorizes and conditions discharges of process wastewater to the  
21 adjacent municipal wastewater treatment plant owned by the City of Snoqualmie pursuant to  
22 authorities other than 33 U.S.C. 1342 (authorizing NPDES permits). Although the Notice Letter  
23 alleges violations of Girard's Waste Discharge Permit No. ST0045516, this Complaint does not  
24 allege any violations of that Waste Discharge Permit.  
25  
26  
27  
28

1           25.     Girard has not monitored or representatively sampled discharges of stormwater  
2 associated with the industrial activities and other pollutants to navigable waters described in this  
3 Complaint and has not reported the results of such representative discharge samples to WDOE.

4           26.     Girard has not developed and implemented BMPs and a SWPPP, nor applied all  
5 known and reasonable methods of prevention, control, and treatment (“AKART”) to discharges  
6 from the site to navigable waters in the manner required by the ISGP, SGGP or a valid individual  
7 NPDES permit. *See* WAC 173-220-130(1)(a) (mandating all NPDES permits to require  
8 AKART).  
9

10           27.     Girard has not implemented BMPs which are consistent with the Stormwater  
11 Management Manual for Western Washington (2019 edition) (“SWMMWW”), nor has Girard  
12 implemented BMPs which are supported by documentation in a facility SWPPP that they are  
13 demonstratively equivalent to those BMPs described in the SWMMWW, including proper  
14 selection, implementation and maintenance.  
15

16           28.     Girard has not implemented BMPs as required by the ISGP and/or SGGP.  
17

18           29.     Girard has not conducted facility inspections or maintained recordkeeping  
19 practices as required by the ISGP and/or SGGP.  
20

21           30.     Girard has not undertaken adequate measures to identify and eliminate the  
22 discharge of process wastewater from the facility to navigable waters; nor has Girard located  
23 industrial materials and activities, protected those materials and activities from contact with  
24 stormwater and runoff with storm resistant coverings, or otherwise minimized exposure of  
25 industrial materials to stormwater and runoff.  
26

27           31.     Discharges from Girard’s site contributes to the polluted conditions of navigable  
28 waters, including the Snoqualmie River and the Snohomish River. Discharges from Girard’s site  
29



1 contributes to the ecological impacts that result from the polluted state of these waters, and to  
2 Plaintiff's and its members' injuries resulting therefrom.

3 32. The vicinity of the facility and the receiving waters are used by the citizens of  
4 Washington and visitors, as well as at least one of Plaintiff's members, for recreational activities,  
5 including boating, biking, fishing, and bird watching, and educational and scientific activities,  
6 including environmental restoration monitoring. Plaintiff's member(s) also derive(s) aesthetic  
7 benefits from the receiving waters. Plaintiff's and its members' enjoyment of these activities and  
8 waters is diminished by the polluted state of the receiving waters and by Girard's contributions  
9 to such polluted state.  
10

11 33. A significant penalty should be imposed against Girard pursuant to the penalty  
12 factors set forth in 33 U.S.C. § 1319(d).  
13

14 34. Girard has benefited economically as a consequence of its violations.  
15

16 35. Girard's violations were avoidable had Girard been diligent in overseeing site  
17 operations and maintenance.

18 36. Defendant Girard Resources and Recycling, LLC is a profitable business  
19 enterprise with at least three facilities in western Washington. Given its size and resources,  
20 Defendant can afford to pay a significant penalty and such penalty is required to meet the  
21 deterrence goals of the Clean Water Act's penalty factors.  
22

## 23 V. CAUSE OF ACTION

24 37. The preceding paragraphs and the allegations in sections I and II of the Notice  
25 Letter, attached hereto as Exhibits 1, are incorporated herein.  
26  
27  
28

1           38. Defendant's violations described herein and in the Notice Letter, constitute  
2 violations of Section 301 of the Clean Water Act, 33 U.S.C. § 1311, and violations of "effluent  
3 standard(s) or limitation(s)" as defined by Section 505, 33 U.S.C. § 1365.

4           39. The violations committed by Defendant are ongoing or are reasonably likely to  
5 continue to occur. Any and all additional violations of the CWA which occur after those  
6 described in Plaintiff's Notice Letter but before a final decision in this action should be  
7 considered continuing violations subject to this Complaint.  
8

9           40. Without the imposition of appropriate civil penalties and the issuance of an  
10 injunction, Defendant is likely to continue to violate the CWA to the further injury of Plaintiff,  
11 its member(s) and others.  
12

13           41. A copy of this Complaint is being served upon the Attorney General of the United  
14 States and the Administrator of the USEPA as required by 33 U.S.C. § 1365(c)(3).  
15

## 16                           **VI. RELIEF REQUESTED**

17           Wherefore, Plaintiff respectfully requests that this Court grant the following relief:

18           A. Issue a declaratory judgment that Defendant has violated and continues to be in  
19 violation of Section 301 of the Clean Water Act, 33 U.S.C. § 1311;

20           B. Enjoin Defendant from operating its facility in a manner that results in further  
21 violations of the Clean Water Act;  
22

23           C. Order Defendant to immediately implement a Storm Water Pollution Prevention  
24 Plan that is in compliance with the ISGP, and to provide Plaintiff with a copy of this Plan;

25           D. Order Defendant to allow Plaintiff to participate in the development and  
26 implementation of Defendant's Storm Water Pollution Prevention Plan;  
27  
28

1 E. Order Defendant to provide Plaintiff, for a period beginning on the date of the  
2 Court's Order and running for three years after Defendant achieves compliance with the CWA,  
3 with copies of all reports and other documents which Defendant submits to the USEPA or to the  
4 WDOE regarding Defendant's coverage under any NPDES permit at the time it is submitted to  
5 these authorities;

6  
7 F. Order Defendant to take specific actions to remediate the environmental harm  
8 caused by their violations;

9 G. Order Defendant to pay civil penalties of \$55,800.00 per day of violation for each  
10 violation committed by Defendants pursuant to Sections 309(d) and 505(a) of the CWA, 33  
11 U.S.C. §§ 1319(d) and 1365(a), and 40 C.F.R. § 19;

12  
13 H. Award Plaintiff their litigation expenses, including reasonable attorneys' and  
14 expert witness fees, as authorized by Section 505(d) of the CWA, 33 U.S.C. § 1365(d); and

15 I. Award such other relief as this Court deems appropriate.  
16

17 RESPECTFULLY SUBMITTED this 2nd day of April, 2021.

18  
19 **SMITH & LOWNEY, PLLC**

20 By: /s/ Marc Zemel  
21 /s/ Richard Smith  
22 Marc Zemel, WSBA No. 44325  
23 Richard A. Smith, WSBA No. 21788  
24 Attorneys for Plaintiff  
25 2317 E. John St.  
26 Seattle, WA 98112  
27 Tel: (206) 860-2883  
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richard@smithandlowney.com

EXHIBIT 1

**SMITH & LOWNEY, P.L.L.C.**

2317 EAST JOHN STREET  
SEATTLE, WASHINGTON 98112  
(206) 860-2883, FAX (206) 860-4187

January 8, 2021

**Via Certified Mail - Return Receipt Requested**

Managing Agent  
Girard Resources & Recycling, LLC  
38194 SE Stearns Road  
Snoqualmie, WA 98065

Managing Agent  
Girard Resources & Recycling, LLC  
PO Box 14727  
Mill Creek, WA 98082-2727

Managing Agent  
Girard Resources & Recycling, LLC  
16901 9<sup>th</sup> Ave SE  
Mill Creek, WA 98012

**Re: NOTICE OF INTENT TO SUE UNDER THE CLEAN WATER ACT**

Dear Managing Agent:

We represent Waste Action Project, P.O. Box 9281, Covington, WA 98042, (253) 639-7245. Any response or correspondence related to this matter should be directed to us at the letterhead address. This letter is to provide you with sixty days notice of Waste Action Project's intent to file a citizen suit against Girard Resources and Recycling, LLC (hereafter "Girard") under section 505 of the Clean Water Act ("CWA"), 33 USC § 1365, for the violations described below.

**I. Unpermitted Discharges**

The CWA, 33 U.S.C. §§ 1311 and 1342, prohibits the discharge of pollutants, including stormwater associated with industrial activity, to waters of the United States, except as authorized by a National Pollutant Discharge Elimination System ("NPDES") permit. Girard has violated and continues to violate Section 301(a) of the CWA, 33 U.S.C. § 1311(a), by discharging pollutants, including stormwater, from its facility used for concrete processing and recycling, drill slurry processing and disposal, material dumping, stockpiling and distribution and other industrial activities located at or about 38194 SE Stearns Road, Snoqualmie, WA (the "facility" or "site") to waters of the United States without a NPDES permit. The facility subject to this notice includes any contiguous or adjacent properties operated by Girard.

Girard discharges industrial stormwater and pollutants to the Snoqualmie River and a tributary to the Snoqualmie River, both of which are waters of the United States. Discharges at or from the site to these waters are “stormwater discharges associated with industrial activity” under 40 C.F.R. 122.26(b)(14) due to the industrial nature of the activities Girard conducts at its facility. For example and among other discharges associated with industrial activity, Girard discharges stormwater from its industrial plant yard, concrete and slurry processing areas, immediate access roads, material handling areas, areas used for the storage and maintenance of material handling equipment, raw material and intermediate and material storage areas via runoff, channels and ditches, pipes and other point sources. *Id.* These pollutant discharges are not authorized by Girard’s pretreatment permit, no. ST0045516.

These violations of the CWA occur on each day during which there a stormwater discharge from the facility, including days on which there is at least 0.1 inch of precipitation in Snoqualmie. Precipitation data from NOAA Weather identifying such days is appended to this notice of intent to sue as Exhibit A. The violations alleged in this notice of intent to sue will continue until Girard obtains and comes into compliance with a NPDES permit authorizing such discharges.

## II. General Permit Requirements

The Washington Department of Ecology (“Ecology” or “WDOE”) typically authorizes discharges of stormwater associated with certain industrial activities under general NPDES permits, including the Industrial Stormwater General Permit (“ISGP”) and the Sand and Gravel General Permit (“SGGP”) (collectively the “General Permits”). Although not exhaustive lists of regulated activities, the General Permits provide tables of activities requiring coverage under each permit.

The ISGP list includes the following: general warehousing and storage, recycling facilities involved in the recycling of materials, wood products manufacturing, hazardous waste treatment, and storage and disposal facilities, all of which Girard conducts at the site. ISGP Table 1. The current ISGP was issued by Ecology on November 20, 2019 and became effective on January 2, 2020 (2020 ISGP). The previous ISGP was issued by Ecology on December 3, 2014 and became effective January 2, 2015 (2015 ISGP). The 2015 ISGP includes conditions substantially similar to those of the 2020 ISGP.

The SGGP list includes the following: asphalt recycling, concrete recycling, other concrete product manufacturing and all other miscellaneous nonmetallic mineral product manufacturing, all of which Girard also conducts at the site. SGGP Table Table 1. The current SGGP was issued by Ecology on February 17, 2016, was modified effective April 1, 2018 and expires March 31, 2021 (the 2016 SGGP). The previous SGGP became effective on October 1, 2010 and expired on October 1, 2015 (2010 SGGP). Ecology has also published a draft SGGP for reissuance upon expiration of the 2016 SGGP.

Should Girard have or obtain General Permit coverage for the facility, compliance with either General Permit requires Girard to correct the deficiencies identified below. Waste

Action Project hereby provides notice of its intent to sue for these violations of the General Permits.

### **1. Compliance with Standards.**

Condition S10.C of the 2015 and 2020 ISGP and Condition S3.A of the 2016 SGGP requires permittees to apply all known, available and reasonable methods of prevention, control and treatment (“AKART”) to all discharges, including preparation and implementation of an adequate stormwater pollution prevention plan (“SWPPP”), an adequate Site Management Plan (“SMP”) in the case of the SGGP, and best management practices (“BMPs”). *See* 2016 SGGP Condition S5. Girard has not applied AKART to its discharges or implemented adequate BMPs at the facility, including structural source control BMPs to minimize the exposure of pollutants to precipitation, and stormwater treatment BMPs to remove pollutants prior to discharge.

### **2. Stormwater Pollution Prevention Plan / Site Management Plan**

Condition S3.A of the 2015 and 2020 ISGP and Condition S5 of the 2016 SGGP require permittees to develop and implement a SWPPP as specified, which under the SGGP is part of a broader mandatory SMP. S3.A.2 of the 2015 ISGP, S3.A.1 of the 2020 ISGP and S8.E specify that the SWPPP must indicate the BMPs necessary to provide AKART. Those ISGP conditions require that BMPs ensure that discharges do not cause or contribute to violations of water quality standards and the SGGP conditions require that BMPs ensure compliance with the SGGP discharge limits in SGGP Conditions S2 and S3. Girard has not prepared and implemented a SWPPP that specifies AKART, ensures discharges to not cause or contribute to violations of water quality standards or meet the SGGP discharge limits.

Condition S3.A.3.a of the 2015 Permit and S3.A.2.a of the 2020 Permit require that BMPs in a permittee’s SWPPP be consistent with the Stormwater Management Manual for Western Washington (July 2019), available on the internet at <https://fortress.wa.gov/ecy/ezshare/wq/Permits/Flare/2019SWMMWW/Content/Resources/DocsForDownload/2019SWMMWW.pdf>. Alternatively, the SWPPP must include documentation that the BMPs included therein are demonstratively equivalent to those described in the SWMMWW, including proper selection, implementation and maintenance. Condition S3.A of the 2016 SGGP imposes substantially similar BMP requirements. Girard has not prepared and is not implementing a SWPPP that is consistent with this manual or that is demonstratively equivalent thereto, including the housekeeping and other operational BMPs, the structural source control BMPs, and the stormwater treatment BMPs identified in the SWMMWW.

Condition S3.B.4.b of the 2015 and 2020 ISGP identifies mandatory BMPs that must be included in the SWPPP and implemented, unless the permittee clearly justifies why each omitted mandatory BMP is unnecessary, infeasible, or replaced by alternative and equally effective BMPs. Condition S8 of the 2016 SGGP also requires the permittee’s SWPPP to include runoff conveyance and treatment BMPs (S8.B), certain mandatory source control

BMPs (S.8.E) and certain concrete recycling BMPs (S8.F), among others. Girard is not implementing BMPs identified in the General Permits.

Condition S3.B.1 of the 2015 and 2020 ISGP and Condition S5.D require permittees' SWPPPs/SMP to include a site map as specified, including unique identifying numbers for each stormwater discharge point, including discharges to groundwater, among other details. Girard has not implemented a SWPPP or SMP with the requisite site map or the detailed facility assessment required by these conditions.

### **3. Monitoring**

Condition S4.B.1.d of the 2015 and 2020 ISGP and Conditions S4.A and B of the 2016 SGGP require permittees to obtain representative samples of its discharges. Condition S4.B.2 of the 2015 ISGP and S4.B.3 of the 2020 ISGP require permittees to sample quarterly each distinct point of discharge off-site, except as otherwise exempt from monitoring as a "substantially identical outfall" per Condition S3.B.5.b and Condition S2 of the 2016 SGGP (Table 2) require permittees to sampling for pH and total suspended solids (TSS) quarterly, total dissolved solids (TDS) monthly, turbidity twice per month, and oil sheen daily when runoff occurs. Condition S9.A of the 2015 ISGP, S9.B of the 2020 ISGP and S10.A of the 2016 SGGP require permittees to report results of analysis of these samples to Ecology on specified forms (Discharge Monitoring Reports or "DMRs") on a specified schedule. Girard has not collected stormwater discharge samples and/or reported the results to Ecology on DMRs.

### **III. Pretreatment Permit Violations**

Girard has also violated the continues to violate the CWA (see sections 301 and 307, 33 U.S.C. §§ 1311 and 1317) and its CWA permit number ST0045516 (the "Pretreatment Permit") with respect to operations of, and discharges of wastewater and pollutants to the City of Snoqualmie Wastewater Treatment Plant ("WTP"), and thereby to waters of the state, from the Snoqualmie facility described above, as described herein. The Pretreatment Permit was issued by Ecology and effective on May 1, 2018 and will expire on April 30, 2023. The Pretreatment Permit may have been modified in 2020 or 2021. Girard was previously authorized to discharge wastewater to the WTP under a temporary permit beginning in 2012.

Girard receives wastes, including bentonite slurry and oily/metal-bearing street sweeping waste, which are not authorized by the Pretreatment Permit and the processing of which negatively impacts the WTP. Girard began receiving such wastes at least since June 2020. Condition S5.A and B.2 of the Pretreatment Permit forbids Girard from introducing pollutants to the WTP which cause pass through or interference or solid or viscous pollutants in amounts which will cause obstruction to the flow in the WTP resulting in interference. Girard violated these conditions in June 2020 related to Girard's receipt and discharge of process wastewater containing bentonite slurry, as described in detail in an Ecology letter to Girard dated October 8, 2020. Girard has also violated these conditions since April 2019 each time it discharged process water related to the composting and processing of oily/metal-bearing street sweeping waste. Waste Action Project intends to sue for each violation



described in Ecology's October 8, 2020 letter, including the violations described below. These violations are likely to recur.

Condition S9 of the Pretreatment Permit prohibits the discharge of any nonroutine wastewater unless authorized on a case by case basis only after Girard provides Ecology with specifically identified information and following Ecology's authorization. Girard violated this condition by discharging nonroutine wastewater without following these procedures and receiving Ecology's authorization, including but not limited to discharges of drill slurry process wastewater and oily/metal-bearing street sweeping material process wastewater. These violations are likely to recur.

Condition S2.B of the Pretreatment Permit requires Girard to take representative samples of any unusual discharge or discharge condition, and such samples must meet the water and wastewater monitoring requirements specified in the Pretreatment Permit. Girard violated these conditions by failing to representatively sample and report its discharges of process wastewater related to drill slurry and street sweeping material at the site. These violations are likely to recur.

Condition S3.F of the Pretreatment Permit require Girard to take certain actions when it violates or is unable to comply with any permit condition, including stopping, containing and cleaning up unauthorized discharge or other non-compliance, immediately repeat sampling and analysis and submit the results to Ecology within the prescribed time period and report the non-compliance to Ecology as specified. Girard has violated these conditions by failing to follow the prescribed actions regarding its discharges related to drill slurry and street sweeping material processing on site. These violations are likely to recur.

Condition G4 of the Pretreatment Permit requires Girard to submit a new application or a supplement to a previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated. Girard violated this condition by not submitting the required application and supporting documentation related to changes in Girard's discharges related to drill slurry and street sweeping processing. These violations are likely to recur.

Condition G5 of the Pretreatment Permit requires Girard, prior to constructing or modifying any wastewater control facilities, to submit an engineering report and detailed plans and specifications to Ecology for approval at least 180 days before the planned start of construction. Girard violated this condition by evaluating and using a new centrifuge treatment process without following the requirements of this condition. This violation is likely to recur.

### Conclusion

The above-described violations reflect those indicated by the information currently available to Waste Action Project. These violations are ongoing. Waste Action Project intends to sue for all violations, including those yet to be uncovered and those committed after the date of this notice of intent to sue.



Under Section 309(d) of the CWA, 33 USC § 1319(d), each of the above-described violations subjects the violator to a penalty of up to \$55,800 per violation per day. 40 CFR 19.4. In addition to civil penalties, Waste Action Project will seek injunctive relief to prevent further violations under Sections 505(a) and (d) of the CWA, 33 USC § 1365(a) and (d), and such other relief as is permitted by law. Also, Section 505(d) of the CWA, 33 USC § 1365(d), permits prevailing parties to recover costs, including attorney's fees.

Waste Action Project believes that this notice of intent to sue sufficiently states grounds for filing suit. We intend, at the close of the 60-day notice period, or shortly thereafter, to file a citizen suit against Girard under Section 505(a) of the Clean Water Act for violations.

During the 60-day notice period, we would be willing to discuss effective remedies for the violations addressed in this letter and settlement terms. If you wish to pursue such discussions in the absence of litigation, we suggest that you initiate those discussions within 10 days of receiving this notice so that a meeting can be arranged and so that negotiations may be completed promptly. We do not intend to delay the filing of a complaint if discussions are continuing when the notice period ends.

Sincerely,

**SMITH & LOWNEY, PLLC**

By: Marc Zemel

cc: Andrew Wheeler, Administrator, U.S. EPA  
Chris Hladick, Region 10 Administrator, U.S. EPA  
Laura Watson, Director, Washington Department of Ecology  
Girard's Registered Agents (Julie Girard, PO Box 14727, Mill Creek, WA 98082-2727)

## EXHIBIT A

Record of Climatological  
Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	01	01				0.00												
2016	01	02				0.00												
2016	01	03				0.00												
2016	01	04				0.63		1.0		1.0								
2016	01	05				0.18												
2016	01	06				0.03												
2016	01	07				0.02												
2016	01	08				0.00												
2016	01	09				0.00												
2016	01	10				0.00												
2016	01	11																
2016	01	12				0.22												
2016	01	13				0.90												
2016	01	14				0.50												
2016	01	15				0.05												
2016	01	16				0.41												
2016	01	17				0.25												
2016	01	18				0.41												
2016	01	19				0.02												
2016	01	20				0.50												
2016	01	21				0.95												
2016	01	22				0.42												
2016	01	23				0.45												
2016	01	24				0.01												
2016	01	25				0.03												
2016	01	26				0.04												
2016	01	27				0.52												
2016	01	28				1.06												
2016	01	29				0.14												
2016	01	30				0.34												
2016	01	31				0.02												
Summary						8.10		1.0										

Empty, or blank, cells indicate that a data observation was not reported.

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"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	02	01				0.11												
2016	02	02				0.00												
2016	02	03				0.03												
2016	02	04				0.90												
2016	02	05				0.15												
2016	02	06				0.37												
2016	02	07				0.02												
2016	02	08				0.00												
2016	02	09																
2016	02	10																
2016	02	11																
2016	02	12				1.10												
2016	02	13				0.20												
2016	02	14				0.36												
2016	02	15				0.56												
2016	02	16				0.63												
2016	02	17				0.03												
2016	02	18				0.55												
2016	02	19																
2016	02	20				1.12												
2016	02	21				0.02												
2016	02	22				0.00												
2016	02	23				0.22												
2016	02	24				0.00												
2016	02	25				0.00												
2016	02	26				0.00												
2016	02	27				0.52												
2016	02	28				0.07												
2016	02	29				1.07												
Summary						8.03		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	03	01				0.32												
2016	03	02				1.59												
2016	03	03				0.66												
2016	03	04				0.05												
2016	03	05				0.24												
2016	03	06				0.26												
2016	03	07				0.30												
2016	03	08				0.59												
2016	03	09				0.30												
2016	03	10				1.21												
2016	03	11				0.21												
2016	03	12				0.35												
2016	03	13				0.12												
2016	03	14				0.40												
2016	03	15				0.42												
2016	03	16				0.20												
2016	03	17				0.00												
2016	03	18				0.00												
2016	03	19				0.00												
2016	03	20				0.00												
2016	03	21				0.46												
2016	03	22				0.22												
2016	03	23				0.03												
2016	03	24				0.36												
2016	03	25				0.12												
2016	03	26				0.01												
2016	03	27				0.22												
2016	03	28				1.25												
2016	03	29				0.03												
2016	03	30				0.00												
2016	03	31				0.00												
Summary						9.92		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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Station: **SNOQUALMIE FALLS, WA US USC00457773**

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	04	01				0.00												
2016	04	02				0.00												
2016	04	03				0.00												
2016	04	04				0.30												
2016	04	05				0.01												
2016	04	06				0.00												
2016	04	07				0.00												
2016	04	08				0.00												
2016	04	09				0.00												
2016	04	10				0.00												
2016	04	11				0.00												
2016	04	12				0.00												
2016	04	13				0.00												
2016	04	14				0.00												
2016	04	15																
2016	04	16				0.52												
2016	04	17				0.00												
2016	04	18				0.00												
2016	04	19				0.00												
2016	04	20				0.00												
2016	04	21				0.00												
2016	04	22				0.00												
2016	04	23				0.07												
2016	04	24																
2016	04	25				0.47												
2016	04	26				0.12												
2016	04	27				0.01												
2016	04	28				0.00												
2016	04	29				0.05												
2016	04	30				0.17												
Summary						1.72		0.0										

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National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	05	01				0.00												
2016	05	02				0.00												
2016	05	03				0.00												
2016	05	04				0.00												
2016	05	05				0.04												
2016	05	06				0.02												
2016	05	07				0.00												
2016	05	08																
2016	05	09				0.16												
2016	05	10				0.00												
2016	05	11				0.00												
2016	05	12				0.00												
2016	05	13				0.00												
2016	05	14				0.15												
2016	05	15				0.25												
2016	05	16																
2016	05	17				0.02												
2016	05	18				0.00												
2016	05	19				0.84												
2016	05	20				0.03												
2016	05	21				0.52												
2016	05	22				0.14												
2016	05	23																
2016	05	24				0.05												
2016	05	25				0.01												
2016	05	26				0.00												
2016	05	27				0.47												
2016	05	28				0.05												
2016	05	29				0.20												
2016	05	30				0.00												
2016	05	31				0.00												
Summary						2.95		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	06	01				0.00												
2016	06	02																
2016	06	03				0.22												
2016	06	04				0.00												
2016	06	05				0.00												
2016	06	06				0.00												
2016	06	07				0.00												
2016	06	08				0.00												
2016	06	09				0.00												
2016	06	10				0.15												
2016	06	11				0.45												
2016	06	12				0.08												
2016	06	13				0.00												
2016	06	14				0.11												
2016	06	15				0.22												
2016	06	16				0.54												
2016	06	17				0.29												
2016	06	18				0.31												
2016	06	19				0.16												
2016	06	20				0.01												
2016	06	21																
2016	06	22				0.22												
2016	06	23				0.04												
2016	06	24				0.20												
2016	06	25				0.70												
2016	06	26				0.00												
2016	06	27				0.00												
2016	06	28				0.00												
2016	06	29				0.00												
2016	06	30				0.02												
Summary						3.72		0.0										

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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	07	01				0.03												
2016	07	02				0.00												
2016	07	03				0.05												
2016	07	04				0.05												
2016	07	05				0.05												
2016	07	06				0.10												
2016	07	07				0.05												
2016	07	08				0.43												
2016	07	09				1.20												
2016	07	10				0.34												
2016	07	11				0.05												
2016	07	12				0.02												
2016	07	13				0.00												
2016	07	14				0.00												
2016	07	15				0.00												
2016	07	16				0.00												
2016	07	17				0.00												
2016	07	18				0.01												
2016	07	19				0.30												
2016	07	20				0.00												
2016	07	21				0.00												
2016	07	22				0.30												
2016	07	23				0.10												
2016	07	24				0.00												
2016	07	25				0.00												
2016	07	26				0.00												
2016	07	27				0.00												
2016	07	28				0.00												
2016	07	29				0.00												
2016	07	30				0.00												
2016	07	31				0.00												
Summary						3.08		0.0										

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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	08	01				0.00												
2016	08	02				0.00												
2016	08	03				0.14												
2016	08	04				0.00												
2016	08	05				0.00												
2016	08	06				0.00												
2016	08	07				0.00												
2016	08	08				0.23												
2016	08	09				0.03												
2016	08	10																
2016	08	11				0.02												
2016	08	12				0.00												
2016	08	13				0.00												
2016	08	14				0.00												
2016	08	15				0.00												
2016	08	16				0.00												
2016	08	17				0.00												
2016	08	18				0.00												
2016	08	19				0.00												
2016	08	20				0.00												
2016	08	21				0.00												
2016	08	22				0.00												
2016	08	23				0.00												
2016	08	24				0.00												
2016	08	25				0.00												
2016	08	26				0.00												
2016	08	27				0.00												
2016	08	28				0.00												
2016	08	29				0.00												
2016	08	30				0.00												
2016	08	31				0.00												
Summary						0.42		0.0										

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\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	09	01																
2016	09	02				0.45												
2016	09	03				0.12												
2016	09	04				0.05												
2016	09	05				0.00												
2016	09	06				0.12												
2016	09	07				0.11												
2016	09	08				0.06												
2016	09	09				0.09												
2016	09	10				0.00												
2016	09	11				0.00												
2016	09	12				0.00												
2016	09	13				0.00												
2016	09	14				0.00												
2016	09	15				0.00												
2016	09	16				0.00												
2016	09	17				0.38												
2016	09	18				0.48												
2016	09	19				0.10												
2016	09	20																
2016	09	21				0.09												
2016	09	22				0.00												
2016	09	23				0.00												
2016	09	24				0.08												
2016	09	25				0.01												
2016	09	26				0.00												
2016	09	27				0.00												
2016	09	28				0.00												
2016	09	29				0.00												
2016	09	30				0.00												
Summary						2.14		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	10	01				0.02												
2016	10	02				0.10												
2016	10	03				0.02												
2016	10	04				0.07												
2016	10	05				0.10												
2016	10	06				0.01												
2016	10	07				0.49												
2016	10	08				0.20												
2016	10	09				1.20												
2016	10	10				0.28												
2016	10	11				0.00												
2016	10	12				0.00												
2016	10	13				0.82												
2016	10	14																
2016	10	15																
2016	10	16																
2016	10	17				4.53												
2016	10	18				0.20												
2016	10	19				0.03												
2016	10	20				1.22												
2016	10	21				0.52												
2016	10	22				0.12												
2016	10	23				0.07												
2016	10	24				0.00												
2016	10	25				0.26												
2016	10	26				0.06												
2016	10	27				1.81												
2016	10	28				0.06												
2016	10	29				0.08												
2016	10	30				0.05												
2016	10	31				0.29												
Summary						12.61		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	11	01				1.40												
2016	11	02				0.38												
2016	11	03				0.31												
2016	11	04				0.00												
2016	11	05				0.03												
2016	11	06				1.42												
2016	11	07				0.02												
2016	11	08				0.00												
2016	11	09				0.09												
2016	11	10				0.16												
2016	11	11				0.03												
2016	11	12				0.00												
2016	11	13				0.19												
2016	11	14				0.76												
2016	11	15				1.07												
2016	11	16				0.95												
2016	11	17				0.05												
2016	11	18				0.04												
2016	11	19				0.06												
2016	11	20				0.08												
2016	11	21				0.33												
2016	11	22				0.05												
2016	11	23				0.32												
2016	11	24				0.58												
2016	11	25				0.93												
2016	11	26				0.13												
2016	11	27				0.32												
2016	11	28																
2016	11	29																
2016	11	30				0.43												
Summary						10.13		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	12	01				0.24												
2016	12	02				0.09												
2016	12	03				0.32												
2016	12	04				0.93												
2016	12	05				0.12												
2016	12	06				0.04												
2016	12	07				0.00												
2016	12	08				0.00												
2016	12	09																
2016	12	10																
2016	12	11																
2016	12	12				0.26												
2016	12	13				0.30												
2016	12	14				0.00												
2016	12	15				0.00												
2016	12	16				0.00												
2016	12	17				0.00												
2016	12	18				0.00												
2016	12	19				0.24												
2016	12	20				0.45												
2016	12	21				0.25												
2016	12	22				0.00												
2016	12	23				0.15												
2016	12	24				0.30												
2016	12	25				0.10												
2016	12	26				0.10												
2016	12	27				0.61												
2016	12	28				0.13												
2016	12	29																
2016	12	30				0.93												
2016	12	31				0.00												
Summary						5.56		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	01	01				0.27												
2017	01	02				0.00												
2017	01	03				0.00												
2017	01	04				0.00												
2017	01	05				0.00												
2017	01	06				0.00												
2017	01	07				0.00												
2017	01	08				0.00												
2017	01	09				0.34												
2017	01	10				0.07												
2017	01	11				0.00												
2017	01	12				0.00												
2017	01	13				0.00												
2017	01	14				0.00												
2017	01	15				0.00												
2017	01	16				0.00												
2017	01	17				0.05												
2017	01	18				1.46												
2017	01	19				0.53												
2017	01	20				0.11												
2017	01	21				0.03												
2017	01	22				0.04												
2017	01	23				0.25												
2017	01	24				0.00												
2017	01	25				0.01												
2017	01	26				0.06												
2017	01	27				0.00												
2017	01	28				0.01												
2017	01	29				0.00												
2017	01	30				0.12												
2017	01	31				0.05												
Summary						3.40		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	02	01				0.00												
2017	02	02				0.00												
2017	02	03				0.10												
2017	02	04				0.70												
2017	02	05				1.03												
2017	02	06				1.50												
2017	02	07				0.08												
2017	02	08																
2017	02	09				1.10												
2017	02	10				0.80												
2017	02	11				0.29												
2017	02	12				0.05												
2017	02	13				0.00												
2017	02	14				0.05												
2017	02	15				0.58												
2017	02	16				1.35												
2017	02	17				0.10												
2017	02	18				0.01												
2017	02	19				0.40												
2017	02	20				0.21												
2017	02	21				0.52												
2017	02	22				0.36												
2017	02	23				0.11												
2017	02	24				0.03												
2017	02	25				0.00												
2017	02	26				0.35												
2017	02	27				0.19												
2017	02	28				0.52												
Summary						10.43		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	03	01				0.20												
2017	03	02				0.09												
2017	03	03				0.30												
2017	03	04				0.57												
2017	03	05				0.13												
2017	03	06				0.06												
2017	03	07				0.11												
2017	03	08				0.30												
2017	03	09				0.12												
2017	03	10				0.98												
2017	03	11				0.06												
2017	03	12				0.52												
2017	03	13				0.14												
2017	03	14				0.88												
2017	03	15				1.18												
2017	03	16				0.43												
2017	03	17				0.03												
2017	03	18				1.05												
2017	03	19				0.44												
2017	03	20				0.05												
2017	03	21				0.03												
2017	03	22				0.15												
2017	03	23				0.21												
2017	03	24				0.35												
2017	03	25				0.42												
2017	03	26				0.13												
2017	03	27				0.40												
2017	03	28				0.41												
2017	03	29				0.53												
2017	03	30				0.70												
2017	03	31				0.13												
Summary						11.10		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	04	01				0.13												
2017	04	02				0.27												
2017	04	03				0.05												
2017	04	04				0.22												
2017	04	05				0.17												
2017	04	06				0.20												
2017	04	07				0.19												
2017	04	08				0.07												
2017	04	09				0.04												
2017	04	10				0.13												
2017	04	11				0.42												
2017	04	12				0.16												
2017	04	13				0.52												
2017	04	14				0.45												
2017	04	15				0.04												
2017	04	16				0.00												
2017	04	17				0.02												
2017	04	18				0.26												
2017	04	19				0.39												
2017	04	20				0.68												
2017	04	21				0.10												
2017	04	22				0.00												
2017	04	23				0.13												
2017	04	24				0.54												
2017	04	25				0.03												
2017	04	26				0.19												
2017	04	27				0.29												
2017	04	28				0.20												
2017	04	29				0.00												
2017	04	30				0.10												
Summary						5.99		0.0										

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U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological Observations**  
 These data are quality controlled and may not  
 be identical to the original observations.

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	05	01				0.41												
2017	05	02				0.14												
2017	05	03				0.19												
2017	05	04				0.02												
2017	05	05				1.05												
2017	05	06				0.44												
2017	05	07				0.03												
2017	05	08				0.00												
2017	05	09				0.00												
2017	05	10				0.00												
2017	05	11				0.00												
2017	05	12				0.32												
2017	05	13				0.11												
2017	05	14				0.04												
2017	05	15				0.10												
2017	05	16				0.82												
2017	05	17				0.68												
2017	05	18				0.02												
2017	05	19				0.00												
2017	05	20				0.00												
2017	05	21				0.00												
2017	05	22				0.00												
2017	05	23				0.00												
2017	05	24				0.00												
2017	05	25				0.00												
2017	05	26				0.00												
2017	05	27				0.00												
2017	05	28				0.00												
2017	05	29				0.00												
2017	05	30				0.00												
2017	05	31				0.18												
Summary						4.55		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	06	01				0.07												
2017	06	02				0.05												
2017	06	03				0.00												
2017	06	04				0.00												
2017	06	05				0.00												
2017	06	06				0.00												
2017	06	07				0.00												
2017	06	08				0.25												
2017	06	09				0.23												
2017	06	10				0.23												
2017	06	11				0.05												
2017	06	12				0.00												
2017	06	13				0.00												
2017	06	14				0.00												
2017	06	15				0.00												
2017	06	16				1.22												
2017	06	17				0.00												
2017	06	18				0.15												
2017	06	19				0.00												
2017	06	20				0.00												
2017	06	21				0.00												
2017	06	22				0.00												
2017	06	23				0.00												
2017	06	24				0.00												
2017	06	25				0.00												
2017	06	26				0.00												
2017	06	27				0.00												
2017	06	28				0.00												
2017	06	29				0.00												
2017	06	30				0.00												
Summary						2.25		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	07	01				0.00												
2017	07	02				0.00												
2017	07	03				0.00												
2017	07	04				0.00												
2017	07	05				0.00												
2017	07	06				0.00												
2017	07	07				0.00												
2017	07	08				0.00												
2017	07	09				0.00												
2017	07	10				0.00												
2017	07	11				0.00												
2017	07	12				0.00												
2017	07	13				0.00												
2017	07	14				0.00												
2017	07	15				0.00												
2017	07	16				0.00												
2017	07	17				0.00												
2017	07	18				0.00												
2017	07	19				0.00												
2017	07	20				0.00												
2017	07	21				0.00												
2017	07	22				0.00												
2017	07	23				0.00												
2017	07	24				0.00												
2017	07	25				0.00												
2017	07	26				0.00												
2017	07	27				0.00												
2017	07	28				0.00												
2017	07	29				0.00												
2017	07	30				0.00												
2017	07	31				0.00												
Summary						0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	08	01				0.00												
2017	08	02				0.00												
2017	08	03				0.00												
2017	08	04				0.00												
2017	08	05				0.00												
2017	08	06				0.00												
2017	08	07				0.00												
2017	08	08				0.00												
2017	08	09				0.00												
2017	08	10				0.00												
2017	08	11				0.00												
2017	08	12				0.00												
2017	08	13				0.11												
2017	08	14				0.02												
2017	08	15				0.00												
2017	08	16				0.00												
2017	08	17				0.00												
2017	08	18				0.00												
2017	08	19				0.00												
2017	08	20				0.00												
2017	08	21				0.00												
2017	08	22				0.00												
2017	08	23				0.00												
2017	08	24				0.00												
2017	08	25				0.00												
2017	08	26				0.00												
2017	08	27				0.00												
2017	08	28				0.00												
2017	08	29				0.00												
2017	08	30				0.00												
2017	08	31																
Summary						0.13		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	09	01				0.00												
2017	09	02				0.00												
2017	09	03				0.00												
2017	09	04				0.00												
2017	09	05				0.00												
2017	09	06				0.00												
2017	09	07				0.00												
2017	09	08				0.00												
2017	09	09				0.00												
2017	09	10				0.11												
2017	09	11				0.00												
2017	09	12				0.00												
2017	09	13				0.00												
2017	09	14				0.00												
2017	09	15				0.00												
2017	09	16				0.00												
2017	09	17				0.00												
2017	09	18				0.25												
2017	09	19				0.44												
2017	09	20				1.31												
2017	09	21				0.03												
2017	09	22				0.22												
2017	09	23				0.00												
2017	09	24				0.00												
2017	09	25				0.02												
2017	09	26				0.01												
2017	09	27				0.00												
2017	09	28				0.00												
2017	09	29				0.00												
2017	09	30				0.10												
Summary						2.49		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	10	01				0.15												
2017	10	02				0.21												
2017	10	03				0.00												
2017	10	04				0.00												
2017	10	05				0.00												
2017	10	06				0.00												
2017	10	07				0.13												
2017	10	08				0.95												
2017	10	09				0.01												
2017	10	10				0.00												
2017	10	11				0.08												
2017	10	12				0.04												
2017	10	13				0.47												
2017	10	14				0.00												
2017	10	15				0.00												
2017	10	16				0.00												
2017	10	17				0.00												
2017	10	18				0.23												
2017	10	19				1.80												
2017	10	20				0.83												
2017	10	21				0.21												
2017	10	22				1.82												
2017	10	23				0.00												
2017	10	24				0.00												
2017	10	25				0.02												
2017	10	26				0.13												
2017	10	27				0.03												
2017	10	28				0.00												
2017	10	29				0.00												
2017	10	30				0.00												
2017	10	31				0.00												
Summary						7.11		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	11	01				0.03												
2017	11	02				0.11												
2017	11	03				0.53		0.0		0.0								
2017	11	04				0.08		0.0		0.0								
2017	11	05				0.72		1.0		0.0								
2017	11	06				0.28		0.0		0.0								
2017	11	07				0.00		0.0		0.0								
2017	11	08				0.00												
2017	11	09				0.06												
2017	11	10				0.43												
2017	11	11				0.00												
2017	11	12				0.24												
2017	11	13				0.43												
2017	11	14				1.08												
2017	11	15				0.52												
2017	11	16				0.40												
2017	11	17				0.30												
2017	11	18				0.00												
2017	11	19				0.00												
2017	11	20				0.85												
2017	11	21				0.79												
2017	11	22				1.10												
2017	11	23				1.62												
2017	11	24				0.27												
2017	11	25				0.05												
2017	11	26				0.45												
2017	11	27				0.43												
2017	11	28																
2017	11	29				1.02												
2017	11	30				0.06												
Summary						11.85		1.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2017	12	01				0.21												
2017	12	02				0.32												
2017	12	03				0.61												
2017	12	04				0.10												
2017	12	05				0.00												
2017	12	06				0.00												
2017	12	07				0.03												
2017	12	08				0.00												
2017	12	09				0.00												
2017	12	10				0.00												
2017	12	11				0.00												
2017	12	12				0.00												
2017	12	13				0.00												
2017	12	14				0.00												
2017	12	15				0.06												
2017	12	16				0.13												
2017	12	17				0.07												
2017	12	18				0.75												
2017	12	19				1.26												
2017	12	20				0.63												
2017	12	21				0.00												
2017	12	22				0.15												
2017	12	23				0.00												
2017	12	24				0.00												
2017	12	25				0.10		2.0		2.0								
2017	12	26				0.00		0.0		1.0								
2017	12	27				0.00		0.0		1.0								
2017	12	28				0.15		0.0		0.0								
2017	12	29				2.26												
2017	12	30				0.25												
2017	12	31				0.05												
Summary						7.13		2.0										

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\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	01	01				0.05												
2018	01	02				0.05												
2018	01	03				0.00												
2018	01	04				0.00												
2018	01	05				0.07												
2018	01	06				0.33												
2018	01	07				0.35												
2018	01	08				0.36												
2018	01	09				0.60												
2018	01	10				1.00												
2018	01	11				0.55												
2018	01	12				1.23												
2018	01	13				0.22												
2018	01	14				0.22												
2018	01	15				0.00												
2018	01	16				0.25												
2018	01	17				0.04												
2018	01	18				0.95												
2018	01	19				0.30												
2018	01	20				0.46												
2018	01	21				0.31												
2018	01	22				0.55												
2018	01	23				0.00												
2018	01	24				0.81												
2018	01	25				0.51												
2018	01	26				0.26												
2018	01	27				0.75												
2018	01	28				0.38												
2018	01	29				0.01												
2018	01	30				1.22												
2018	01	31				0.03												
Summary						11.86		0.0										

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\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	02	01				0.05												
2018	02	02				0.92												
2018	02	03				0.15												
2018	02	04				0.71												
2018	02	05				0.10												
2018	02	06				0.10												
2018	02	07				0.06												
2018	02	08				0.00												
2018	02	09				0.21												
2018	02	10				0.24												
2018	02	11				0.00												
2018	02	12				0.00												
2018	02	13				0.00												
2018	02	14				0.35												
2018	02	15				0.13												
2018	02	16				0.32												
2018	02	17				0.95												
2018	02	18				0.42												
2018	02	19				0.00												
2018	02	20				0.10												
2018	02	21				0.15												
2018	02	22				0.00												
2018	02	23																
2018	02	24				0.32												
2018	02	25				0.31												
2018	02	26				0.22		1.0		0.0								
2018	02	27				0.04		0.0		0.0								
2018	02	28				0.70		0.0		0.0								
Summary						6.55		1.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	03	01				0.57												
2018	03	02				0.14												
2018	03	03				0.00												
2018	03	04				0.10												
2018	03	05				0.14												
2018	03	06				0.05												
2018	03	07				0.00												
2018	03	08				0.03												
2018	03	09				0.60												
2018	03	10				0.00												
2018	03	11				0.00												
2018	03	12				0.00												
2018	03	13				0.00												
2018	03	14				0.56												
2018	03	15				0.00												
2018	03	16				0.00												
2018	03	17				0.00												
2018	03	18				0.23												
2018	03	19				0.02												
2018	03	20				0.00												
2018	03	21				0.00												
2018	03	22				0.52												
2018	03	23				0.17												
2018	03	24				0.43		1.0		0.0								
2018	03	25				0.01		0.0		0.0								
2018	03	26																
2018	03	27				0.31												
2018	03	28				0.22												
2018	03	29				0.02												
2018	03	30				0.00												
2018	03	31				0.00												
Summary						4.12		1.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
**These data are quality controlled and may not  
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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	04	01				0.03												
2018	04	02				0.65												
2018	04	03				0.01												
2018	04	04				0.10												
2018	04	05				0.48												
2018	04	06				0.25												
2018	04	07				0.50												
2018	04	08				0.80												
2018	04	09				0.69												
2018	04	10				0.00												
2018	04	11				0.27												
2018	04	12				0.33												
2018	04	13				0.35												
2018	04	14				1.13												
2018	04	15				1.00												
2018	04	16				0.33												
2018	04	17				1.33												
2018	04	18				0.08												
2018	04	19				0.11												
2018	04	20				0.00												
2018	04	21				0.13												
2018	04	22				0.02												
2018	04	23				0.01												
2018	04	24				0.00												
2018	04	25				0.00												
2018	04	26				0.00												
2018	04	27				0.00												
2018	04	28				0.08												
2018	04	29				0.65												
2018	04	30				0.05												
Summary						9.38		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	05	01				0.15												
2018	05	02				0.05												
2018	05	03				0.00												
2018	05	04				0.00												
2018	05	05				0.00												
2018	05	06				0.01												
2018	05	07				0.04												
2018	05	08				0.00												
2018	05	09				0.38												
2018	05	10				0.08												
2018	05	11				0.58												
2018	05	12				0.04												
2018	05	13				0.00												
2018	05	14				0.00												
2018	05	15				0.00												
2018	05	16				0.00												
2018	05	17				0.06												
2018	05	18				0.00												
2018	05	19				0.00												
2018	05	20				0.16												
2018	05	21				0.02												
2018	05	22				0.00												
2018	05	23				0.00												
2018	05	24				0.00												
2018	05	25				0.00												
2018	05	26				0.00												
2018	05	27				0.00												
2018	05	28				0.00												
2018	05	29				0.00												
2018	05	30				0.00												
2018	05	31				0.00												
Summary						1.57		0.0										

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U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
 Observations**  
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National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	06	01				0.05												
2018	06	02																
2018	06	03																
2018	06	04				0.08												
2018	06	05				0.03												
2018	06	06				0.00												
2018	06	07				0.00												
2018	06	08				0.00												
2018	06	09				0.18												
2018	06	10				0.53												
2018	06	11				0.43												
2018	06	12				0.05												
2018	06	13				0.25												
2018	06	14				0.70												
2018	06	15				0.00												
2018	06	16				0.01												
2018	06	17				0.00												
2018	06	18				0.00												
2018	06	19				0.00												
2018	06	20				0.00												
2018	06	21				0.00												
2018	06	22				0.00												
2018	06	23				0.35												
2018	06	24				0.00												
2018	06	25				0.36												
2018	06	26				0.25												
2018	06	27				0.02												
2018	06	28				0.00												
2018	06	29				0.00												
2018	06	30				0.00												
Summary						3.29		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	07	01				0.09												
2018	07	02				0.05												
2018	07	03				0.00												
2018	07	04				0.00												
2018	07	05				0.00												
2018	07	06				0.06												
2018	07	07				0.10												
2018	07	08				0.00												
2018	07	09				0.00												
2018	07	10				0.05												
2018	07	11				0.00												
2018	07	12				0.00												
2018	07	13				0.00												
2018	07	14				0.00												
2018	07	15				0.00												
2018	07	16				0.00												
2018	07	17				0.00												
2018	07	18				0.00												
2018	07	19				0.00												
2018	07	20				0.00												
2018	07	21				0.00												
2018	07	22				0.00												
2018	07	23				0.00												
2018	07	24				0.00												
2018	07	25				0.00												
2018	07	26				0.00												
2018	07	27				0.00												
2018	07	28				0.00												
2018	07	29				0.00												
2018	07	30				0.00												
2018	07	31				0.00												
Summary						0.35		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	08	01				0.00												
2018	08	02				0.00												
2018	08	03				0.00												
2018	08	04				0.06												
2018	08	05				0.00												
2018	08	06				0.00												
2018	08	07				0.00												
2018	08	08				0.00												
2018	08	09				0.00												
2018	08	10				0.00												
2018	08	11				0.00												
2018	08	12				0.04												
2018	08	13				0.00												
2018	08	14				0.00												
2018	08	15				0.00												
2018	08	16				0.00												
2018	08	17				0.00												
2018	08	18				0.00												
2018	08	19				0.00												
2018	08	20				0.00												
2018	08	21				0.00												
2018	08	22				0.00												
2018	08	23				0.00												
2018	08	24				0.00												
2018	08	25				0.00												
2018	08	26				0.00												
2018	08	27				0.15												
2018	08	28				0.00												
2018	08	29				0.00												
2018	08	30				0.00												
2018	08	31				0.00												
Summary						0.25		0.0										

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National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
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National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	09	01				0.00												
2018	09	02				0.00												
2018	09	03				0.00												
2018	09	04				0.00												
2018	09	05				0.00												
2018	09	06				0.00												
2018	09	07				0.00												
2018	09	08				0.05												
2018	09	09				0.00												
2018	09	10																
2018	09	11				0.51												
2018	09	12				0.58												
2018	09	13				0.62												
2018	09	14				0.30												
2018	09	15				0.20												
2018	09	16				0.35												
2018	09	17				0.60												
2018	09	18				0.00												
2018	09	19				0.00												
2018	09	20				0.40												
2018	09	21				0.00												
2018	09	22				0.24												
2018	09	23				0.11												
2018	09	24				0.00												
2018	09	25				0.00												
2018	09	26				0.00												
2018	09	27				0.00												
2018	09	28				0.00												
2018	09	29				0.00												
2018	09	30				0.00												
Summary						3.96		0.0										

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\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	10	01				0.00												
2018	10	02				0.45												
2018	10	03				0.26												
2018	10	04				0.00												
2018	10	05				0.00												
2018	10	06				0.66												
2018	10	07				0.00												
2018	10	08				0.04												
2018	10	09				1.26												
2018	10	10				0.00												
2018	10	11				0.00												
2018	10	12				0.00												
2018	10	13				0.00												
2018	10	14				0.00												
2018	10	15				0.00												
2018	10	16				0.00												
2018	10	17				0.00												
2018	10	18				0.00												
2018	10	19				0.00												
2018	10	20				0.00												
2018	10	21				0.00												
2018	10	22				0.02												
2018	10	23				0.00												
2018	10	24				0.01												
2018	10	25				0.00												
2018	10	26				0.92												
2018	10	27				0.21												
2018	10	28				1.45												
2018	10	29				0.40												
2018	10	30				0.06												
2018	10	31				0.25												
Summary						5.99		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	11	01				0.17												
2018	11	02				0.58												
2018	11	03				0.06												
2018	11	04				0.62												
2018	11	05				0.25												
2018	11	06																
2018	11	07				0.40												
2018	11	08				0.02												
2018	11	09				0.00												
2018	11	10				0.17												
2018	11	11				0.00												
2018	11	12				0.00												
2018	11	13				0.01												
2018	11	14				0.08												
2018	11	15				0.02												
2018	11	16				0.26												
2018	11	17				0.00												
2018	11	18				0.05												
2018	11	19				0.01												
2018	11	20				0.00												
2018	11	21				0.00												
2018	11	22				0.34												
2018	11	23				1.05												
2018	11	24				0.38												
2018	11	25				0.00												
2018	11	26				0.21												
2018	11	27				0.97												
2018	11	28				0.92												
2018	11	29				0.03												
2018	11	30				0.04												
Summary						6.64		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	12	01				0.14												
2018	12	02				0.06												
2018	12	03				0.04												
2018	12	04				0.04												
2018	12	05				0.03												
2018	12	06				0.01												
2018	12	07				0.00												
2018	12	08				0.02												
2018	12	09				0.00												
2018	12	10				0.51												
2018	12	11				0.23												
2018	12	12				1.35												
2018	12	13																
2018	12	14				0.39												
2018	12	15				0.08												
2018	12	16				0.18												
2018	12	17				0.09												
2018	12	18				1.18												
2018	12	19				0.24												
2018	12	20				0.12												
2018	12	21				0.33												
2018	12	22				0.02												
2018	12	23				0.35												
2018	12	24				0.45												
2018	12	25				0.03												
2018	12	26				0.04												
2018	12	27				0.10												
2018	12	28				0.04												
2018	12	29				0.50												
2018	12	30				0.35												
2018	12	31				0.05												
Summary						6.97		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	01	01				0.05												
2019	01	02				0.00												
2019	01	03				0.55												
2019	01	04				0.76												
2019	01	05				0.00												
2019	01	06				0.06												
2019	01	07																
2019	01	08				0.38												
2019	01	09				0.13												
2019	01	10				0.40												
2019	01	11				0.03												
2019	01	12				0.00												
2019	01	13				0.00												
2019	01	14				0.00												
2019	01	15				0.00												
2019	01	16				0.00												
2019	01	17				0.04												
2019	01	18				0.47												
2019	01	19				0.40												
2019	01	20				0.00												
2019	01	21				0.04												
2019	01	22				0.03												
2019	01	23				1.35												
2019	01	24																
2019	01	25				0.08												
2019	01	26				0.00												
2019	01	27				0.01												
2019	01	28				0.01												
2019	01	29				0.00												
2019	01	30				0.00												
2019	01	31				0.00												
Summary						4.79		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
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be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: 0800 Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	02	01				0.10												
2019	02	02				1.03												
2019	02	03				0.06												
2019	02	04																
2019	02	05			18	0.78		8.0		8.0								
2019	02	06			16	0.00				7.0								
2019	02	07				0.00				5.0								
2019	02	08				0.00				4.0								
2019	02	09				0.35		5.0		9.0								
2019	02	10			18	0.00				8.0								
2019	02	11																
2019	02	12																
2019	02	13																
2019	02	14																
2019	02	15				1.10												
2019	02	16				0.06												
2019	02	17				0.03												
2019	02	18				0.00												
2019	02	19				0.40												
2019	02	20				0.15												
2019	02	21				0.00												
2019	02	22				0.00												
2019	02	23				0.30												
2019	02	24				0.13												
2019	02	25				0.02												
2019	02	26				0.00												
2019	02	27				0.00												
2019	02	28				0.00												
Summary						4.51		13.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	03	01				0.00												
2019	03	02				0.00												
2019	03	03				0.00												
2019	03	04				0.00												
2019	03	05				0.00												
2019	03	06				0.00												
2019	03	07				0.14		0.5		0.0								
2019	03	08				0.21												
2019	03	09				0.27												
2019	03	10				0.00												
2019	03	11				0.00												
2019	03	12				0.74		0.5		0.0								
2019	03	13				0.52												
2019	03	14				0.00												
2019	03	15				0.00												
2019	03	16				0.00												
2019	03	17				0.00												
2019	03	18				0.00												
2019	03	19				0.00												
2019	03	20				0.00												
2019	03	21				0.00												
2019	03	22				0.00												
2019	03	23				0.05												
2019	03	24				0.00												
2019	03	25				0.00												
2019	03	26				0.34												
2019	03	27				0.00												
2019	03	28				0.00												
2019	03	29				0.00												
2019	03	30				0.00												
2019	03	31				0.00												
Summary						2.27		1.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	04	01				0.00												
2019	04	02				0.00												
2019	04	03				0.10												
2019	04	04				0.15												
2019	04	05				0.10												
2019	04	06				0.41												
2019	04	07				0.72												
2019	04	08				0.01												
2019	04	09				1.06												
2019	04	10				0.57												
2019	04	11				0.81												
2019	04	12				0.90												
2019	04	13				0.12												
2019	04	14				0.46												
2019	04	15				0.40												
2019	04	16				0.04												
2019	04	17				0.19												
2019	04	18				0.02												
2019	04	19				0.25												
2019	04	20				0.35												
2019	04	21				0.00												
2019	04	22				0.00												
2019	04	23				0.22												
2019	04	24				0.04												
2019	04	25				0.00												
2019	04	26				0.00												
2019	04	27				0.06												
2019	04	28				0.08												
2019	04	29				0.00												
2019	04	30				0.03												
Summary						7.09		0.0										

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	05	01				0.00												
2019	05	02				0.00												
2019	05	03				0.00												
2019	05	04				0.00												
2019	05	05				0.00												
2019	05	06				0.00												
2019	05	07				0.00												
2019	05	08				0.00												
2019	05	09				0.00												
2019	05	10				0.00												
2019	05	11				0.00												
2019	05	12				0.00												
2019	05	13				0.00												
2019	05	14				0.00												
2019	05	15				0.19												
2019	05	16				0.02												
2019	05	17				1.20												
2019	05	18				0.00												
2019	05	19				0.00												
2019	05	20				0.01												
2019	05	21				0.41												
2019	05	22				0.01												
2019	05	23				0.00												
2019	05	24				0.02												
2019	05	25				0.00												
2019	05	26				0.18												
2019	05	27				0.00												
2019	05	28				0.00												
2019	05	29				0.00												
2019	05	30				0.00												
2019	05	31				0.00												
Summary						2.04		0.0										

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 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
 Observations**  
 These data are quality controlled and may not  
 be identical to the original observations.

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	06	01				0.00												
2019	06	02				0.00												
2019	06	03				0.00												
2019	06	04				0.00												
2019	06	05				0.00												
2019	06	06				0.03												
2019	06	07				0.06												
2019	06	08				0.17												
2019	06	09				0.00												
2019	06	10				0.00												
2019	06	11				0.00												
2019	06	12				0.00												
2019	06	13				0.00												
2019	06	14				0.00												
2019	06	15				0.00												
2019	06	16				0.00												
2019	06	17				0.00												
2019	06	18				0.05												
2019	06	19				0.12												
2019	06	20				1.00												
2019	06	21				0.05												
2019	06	22				0.00												
2019	06	23				0.03												
2019	06	24				0.13												
2019	06	25				0.00												
2019	06	26				0.00												
2019	06	27				0.29												
2019	06	28				0.46												
2019	06	29				0.01												
2019	06	30				0.00												
Summary						2.40		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	07	01				0.00												
2019	07	02				0.00												
2019	07	03				0.10												
2019	07	04				0.01												
2019	07	05				0.00												
2019	07	06				0.02												
2019	07	07				0.03												
2019	07	08				0.00												
2019	07	09				0.00												
2019	07	10				0.18												
2019	07	11				0.25												
2019	07	12				0.02												
2019	07	13				0.00												
2019	07	14				0.00												
2019	07	15				0.00												
2019	07	16				0.75												
2019	07	17				0.03												
2019	07	18				0.63												
2019	07	19				0.15												
2019	07	20				0.00												
2019	07	21				0.00												
2019	07	22				0.00												
2019	07	23				0.00												
2019	07	24				0.00												
2019	07	25				0.00												
2019	07	26				0.00												
2019	07	27				0.00												
2019	07	28				0.00												
2019	07	29				0.00												
2019	07	30				0.00												
2019	07	31				0.00												
Summary						2.17		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	08	01				0.00												
2019	08	02				0.20												
2019	08	03				0.00												
2019	08	04				0.00												
2019	08	05				0.00												
2019	08	06				0.00												
2019	08	07				0.00												
2019	08	08				0.00												
2019	08	09				0.00												
2019	08	10				0.90												
2019	08	11				0.00												
2019	08	12				0.00												
2019	08	13				0.03												
2019	08	14				0.00												
2019	08	15				0.00												
2019	08	16				0.00												
2019	08	17				0.00												
2019	08	18				0.00												
2019	08	19				0.00												
2019	08	20				0.00												
2019	08	21				0.00												
2019	08	22				0.52												
2019	08	23				0.00												
2019	08	24				0.00												
2019	08	25				0.00												
2019	08	26				0.00												
2019	08	27				0.00												
2019	08	28				0.00												
2019	08	29				0.00												
2019	08	30				0.06												
2019	08	31				0.00												
Summary						1.71		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
 Observations**  
 These data are quality controlled and may not  
 be identical to the original observations.

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	09	01				0.00												
2019	09	02				0.00												
2019	09	03				0.00												
2019	09	04				0.00												
2019	09	05				0.00												
2019	09	06				0.00												
2019	09	07				0.00												
2019	09	08				0.17												
2019	09	09				0.50												
2019	09	10				0.20												
2019	09	11				0.00												
2019	09	12				0.00												
2019	09	13				0.36												
2019	09	14				0.00												
2019	09	15				0.42												
2019	09	16				0.50												
2019	09	17				0.00												
2019	09	18				0.80												
2019	09	19				0.05												
2019	09	20				0.07												
2019	09	21				0.00												
2019	09	22				0.10												
2019	09	23				0.29												
2019	09	24				0.07												
2019	09	25				0.02												
2019	09	26				0.20												
2019	09	27				0.38												
2019	09	28				0.85												
2019	09	29				0.42												
2019	09	30				0.00												
Summary						5.40		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	10	01				0.00												
2019	10	02				0.00												
2019	10	03				0.04												
2019	10	04				0.21												
2019	10	05				0.03												
2019	10	06				0.00												
2019	10	07				0.00												
2019	10	08				0.55												
2019	10	09				0.70												
2019	10	10				0.00												
2019	10	11				0.00												
2019	10	12				0.00												
2019	10	13				0.01												
2019	10	14				0.05												
2019	10	15				0.00												
2019	10	16				0.00												
2019	10	17				0.55												
2019	10	18				0.41												
2019	10	19				1.21												
2019	10	20				0.50												
2019	10	21				1.10												
2019	10	22				1.05												
2019	10	23				0.20												
2019	10	24				0.00												
2019	10	25				0.00												
2019	10	26				0.50												
2019	10	27				0.00												
2019	10	28				0.00												
2019	10	29				0.00												
2019	10	30				0.00												
2019	10	31				0.00												
Summary						7.11		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	11	01				0.00												
2019	11	02				0.00												
2019	11	03				0.00												
2019	11	04				0.00												
2019	11	05				0.00												
2019	11	06				0.00												
2019	11	07				0.00												
2019	11	08				0.00												
2019	11	09				0.10												
2019	11	10				0.22												
2019	11	11				0.00												
2019	11	12				0.36												
2019	11	13				0.03												
2019	11	14				0.00												
2019	11	15				0.23												
2019	11	16				0.00												
2019	11	17				0.25												
2019	11	18				0.16												
2019	11	19				0.42												
2019	11	20				0.05												
2019	11	21				0.00												
2019	11	22				0.00												
2019	11	23				0.00												
2019	11	24				0.35												
2019	11	25				0.56												
2019	11	26				0.15												
2019	11	27				0.00												
2019	11	28				0.00												
2019	11	29				0.00												
2019	11	30				0.00												
Summary						2.88		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	12	01				0.00												
2019	12	02				0.02												
2019	12	03				0.00												
2019	12	04				0.10												
2019	12	05				0.14												
2019	12	06				0.00												
2019	12	07				0.28												
2019	12	08				0.10												
2019	12	09				0.04												
2019	12	10				0.00												
2019	12	11				0.23												
2019	12	12				0.54												
2019	12	13				0.30												
2019	12	14				0.56												
2019	12	15				0.13												
2019	12	16				0.11												
2019	12	17				0.00												
2019	12	18				0.00												
2019	12	19				0.00												
2019	12	20				5.10												
2019	12	21				1.20												
2019	12	22																
2019	12	23				0.70												
2019	12	24				0.08												
2019	12	25				0.00												
2019	12	26				0.00												
2019	12	27				0.00												
2019	12	28				0.05												
2019	12	29				0.00												
2019	12	30				0.03												
2019	12	31				0.08												
Summary						9.79		0.0										

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"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	01	01				0.53												
2020	01	02				0.83												
2020	01	03				0.14												
2020	01	04				0.64												
2020	01	05				0.15												
2020	01	06				0.46												
2020	01	07				2.07												
2020	01	08				0.64												
2020	01	09				0.43												
2020	01	10				0.19												
2020	01	11				1.66												
2020	01	12				0.53												
2020	01	13				0.00												
2020	01	14				0.00												
2020	01	15				0.00												
2020	01	16				0.00												
2020	01	17				0.00												
2020	01	18				0.25												
2020	01	19				0.15												
2020	01	20				0.00												
2020	01	21				0.14												
2020	01	22				0.36												
2020	01	23				0.57												
2020	01	24				0.95												
2020	01	25				0.25												
2020	01	26				0.00												
2020	01	27				0.00												
2020	01	28				0.94												
2020	01	29				0.08												
2020	01	30				0.18												
2020	01	31				0.67												
Summary						12.81		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	02	01				0.00												
2020	02	02				0.45												
2020	02	03				0.65												
2020	02	04				0.00												
2020	02	05				1.00												
2020	02	06																
2020	02	07				1.31												
2020	02	08				0.93												
2020	02	09				0.00												
2020	02	10				0.00												
2020	02	11				0.00												
2020	02	12				0.05												
2020	02	13				0.00												
2020	02	14				0.17												
2020	02	15				0.14												
2020	02	16				0.43												
2020	02	17				0.00												
2020	02	18				0.00												
2020	02	19				0.33												
2020	02	20				0.00												
2020	02	21				0.00												
2020	02	22				0.00												
2020	02	23				0.34												
2020	02	24				0.10												
2020	02	25				0.33												
2020	02	26				0.02												
2020	02	27				0.00												
2020	02	28				0.00												
2020	02	29				0.45												
Summary						6.70		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	03	01				0.05												
2020	03	02				0.06												
2020	03	03				0.19												
2020	03	04				0.09												
2020	03	05				0.03												
2020	03	06				0.51												
2020	03	07				0.08												
2020	03	08				0.10												
2020	03	09				0.00												
2020	03	10				0.00												
2020	03	11				0.10												
2020	03	12				0.04												
2020	03	13				0.12												
2020	03	14				0.28												
2020	03	15				0.00												
2020	03	16				0.00												
2020	03	17				0.00												
2020	03	18				0.00												
2020	03	19				0.00												
2020	03	20				0.00												
2020	03	21				0.00												
2020	03	22				0.00												
2020	03	23				0.10												
2020	03	24				0.15												
2020	03	25				0.54												
2020	03	26				0.07												
2020	03	27				0.06												
2020	03	28				0.11												
2020	03	29				0.76												
2020	03	30				0.79												
2020	03	31				0.49												
Summary						4.72		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service  
Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
Observations**  
These data are quality controlled and may not  
be identical to the original observations.

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	04	01				0.32												
2020	04	02				0.10												
2020	04	03				0.10												
2020	04	04				0.10												
2020	04	05				0.00												
2020	04	06				0.00												
2020	04	07				0.00												
2020	04	08				0.00												
2020	04	09				0.00												
2020	04	10				0.00												
2020	04	11				0.03												
2020	04	12				0.03												
2020	04	13				0.00												
2020	04	14				0.00												
2020	04	15				0.00												
2020	04	16				0.00												
2020	04	17				0.00												
2020	04	18				0.00												
2020	04	19				0.05												
2020	04	20				0.00												
2020	04	21				0.00												
2020	04	22				0.00												
2020	04	23				1.02												
2020	04	24				0.00												
2020	04	25				0.02												
2020	04	26				0.28												
2020	04	27				0.24												
2020	04	28				0.04												
2020	04	29				0.00												
2020	04	30				0.20												
Summary						2.53		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
 Observations**  
 These data are quality controlled and may not  
 be identical to the original observations.

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	05	01				0.20												
2020	05	02				0.10												
2020	05	03				0.48												
2020	05	04				0.00												
2020	05	05				0.00												
2020	05	06				0.41												
2020	05	07				0.42												
2020	05	08				0.02												
2020	05	09				0.00												
2020	05	10				0.00												
2020	05	11				0.00												
2020	05	12				0.07												
2020	05	13				0.38												
2020	05	14				0.28												
2020	05	15				0.00												
2020	05	16				0.25												
2020	05	17				0.84												
2020	05	18				0.00												
2020	05	19				0.00												
2020	05	20				0.00												
2020	05	21				0.17												
2020	05	22				0.63												
2020	05	23				0.34												
2020	05	24				0.00												
2020	05	25				0.31												
2020	05	26				0.27												
2020	05	27				0.00												
2020	05	28				0.00												
2020	05	29				0.00												
2020	05	30				0.81												
2020	05	31				0.29												
Summary						6.27		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	06	01				0.10												
2020	06	02				0.00												
2020	06	03				0.00												
2020	06	04				0.00												
2020	06	05				0.00												
2020	06	06				0.13												
2020	06	07				0.72												
2020	06	08				0.93												
2020	06	09				0.15												
2020	06	10				0.28												
2020	06	11				0.15												
2020	06	12				0.11												
2020	06	13				0.51												
2020	06	14				0.20												
2020	06	15				0.03												
2020	06	16				0.54												
2020	06	17				0.06												
2020	06	18				0.00												
2020	06	19				0.00												
2020	06	20				0.02												
2020	06	21				0.03												
2020	06	22				0.00												
2020	06	23				0.00												
2020	06	24				0.00												
2020	06	25				0.00												
2020	06	26				0.00												
2020	06	27				0.00												
2020	06	28				0.41												
2020	06	29				0.04												
2020	06	30				0.00												
Summary						4.41		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	07	01				0.07												
2020	07	02				0.10												
2020	07	03				0.00												
2020	07	04				0.00												
2020	07	05				0.00												
2020	07	06				0.00												
2020	07	07				0.00												
2020	07	08				0.07												
2020	07	09				0.02												
2020	07	10				0.02												
2020	07	11				0.02												
2020	07	12				0.00												
2020	07	13				0.00												
2020	07	14				0.00												
2020	07	15				0.00												
2020	07	16				0.00												
2020	07	17				0.03												
2020	07	18				0.00												
2020	07	19				0.00												
2020	07	20				0.00												
2020	07	21				0.00												
2020	07	22				0.05												
2020	07	23				0.00												
2020	07	24				0.00												
2020	07	25				0.00												
2020	07	26				0.00												
2020	07	27				0.00												
2020	07	28				0.00												
2020	07	29				0.00												
2020	07	30				0.00												
2020	07	31				0.00												
Summary						0.38		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	08	01				0.00												
2020	08	02				0.00												
2020	08	03				0.00												
2020	08	04				0.00												
2020	08	05				0.00												
2020	08	06				0.04												
2020	08	07				0.24												
2020	08	08				0.00												
2020	08	09				0.00												
2020	08	10				0.00												
2020	08	11				0.00												
2020	08	12				0.00												
2020	08	13				0.00												
2020	08	14				0.00												
2020	08	15				0.00												
2020	08	16				0.00												
2020	08	17				0.00												
2020	08	18				0.00												
2020	08	19				0.00												
2020	08	20				0.02												
2020	08	21				0.07												
2020	08	22				0.42												
2020	08	23				0.02												
2020	08	24				0.00												
2020	08	25				0.00												
2020	08	26				0.00												
2020	08	27				0.00												
2020	08	28				0.00												
2020	08	29				0.00												
2020	08	30				0.00												
2020	08	31				0.00												
Summary						0.81		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	09	01				0.00												
2020	09	02				0.00												
2020	09	03				0.00												
2020	09	04				0.00												
2020	09	05				0.00												
2020	09	06				0.00												
2020	09	07				0.00												
2020	09	08				0.00												
2020	09	09				0.00												
2020	09	10				0.00												
2020	09	11				0.00												
2020	09	12				0.00												
2020	09	13				0.00												
2020	09	14				0.00												
2020	09	15				0.04												
2020	09	16				0.00												
2020	09	17				0.00												
2020	09	18				0.00												
2020	09	19				0.10												
2020	09	20				0.44												
2020	09	21				0.02												
2020	09	22				0.18												
2020	09	23				0.24												
2020	09	24				0.21												
2020	09	25				0.25												
2020	09	26				0.70												
2020	09	27				0.34												
2020	09	28				0.02												
2020	09	29				0.00												
2020	09	30				0.00												
Summary						2.54		0.0										

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\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

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be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	10	01				0.05												
2020	10	02				0.00												
2020	10	03																
2020	10	04				0.00												
2020	10	05				0.00												
2020	10	06				0.00												
2020	10	07				0.00												
2020	10	08				0.00												
2020	10	09				0.00												
2020	10	10				1.42												
2020	10	11				0.18												
2020	10	12				0.85												
2020	10	13				0.42												
2020	10	14				0.09												
2020	10	15				0.15												
2020	10	16				0.00												
2020	10	17				0.82												
2020	10	18				0.18												
2020	10	19				0.08												
2020	10	20				0.81												
2020	10	21				0.21												
2020	10	22				0.12												
2020	10	23				0.05												
2020	10	24				0.45												
2020	10	25				0.03												
2020	10	26				0.00												
2020	10	27				0.03												
2020	10	28				0.00												
2020	10	29				0.00												
2020	10	30				0.20												
2020	10	31				0.00												
Summary						6.14		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

\*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

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Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service  
 Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
 Station: **SNOQUALMIE FALLS, WA US USC00457773**

**Record of Climatological  
 Observations**  
 These data are quality controlled and may not  
 be identical to the original observations.

National Centers for Environmental Information  
 151 Patton Avenue  
 Asheville, North Carolina 28801

Generated on 01/08/2021

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	11	01				0.00												
2020	11	02				0.00												
2020	11	03				0.12												
2020	11	04				1.12												
2020	11	05				1.20												
2020	11	06				0.80												
2020	11	07				0.02												
2020	11	08				0.00												
2020	11	09				0.00												
2020	11	10				0.20												
2020	11	11				0.22												
2020	11	12				0.00												
2020	11	13				0.88												
2020	11	14				0.06												
2020	11	15				0.80												
2020	11	16				0.31												
2020	11	17				0.08												
2020	11	18				0.56												
2020	11	19				0.53												
2020	11	20				0.16												
2020	11	21				0.05												
2020	11	22				0.00												
2020	11	23				0.16												
2020	11	24				0.07												
2020	11	25				0.54												
2020	11	26				0.12												
2020	11	27				0.02												
2020	11	28				0.23												
2020	11	29				0.02												
2020	11	30				0.23												
Summary						8.50		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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U.S. Department of Commerce  
National Oceanic & Atmospheric Administration  
National Environmental Satellite, Data, and Information Service

Current Location: Elev: 440 ft. Lat: 47.5413° N Lon: -121.8361° W  
Station: **SNOQUALMIE FALLS, WA US USC00457773**

## Record of Climatological Observations

These data are quality controlled and may not  
be identical to the original observations.

Generated on 01/08/2021

National Centers for Environmental Information  
151 Patton Avenue  
Asheville, North Carolina 28801

Observation Time Temperature: Unknown Observation Time Precipitation: 0800

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	12	01				0.02												
2020	12	02				0.03												
2020	12	03				0.00												
2020	12	04				0.00												
2020	12	05				0.00												
2020	12	06				0.01												
2020	12	07				0.00												
2020	12	08				0.10												
2020	12	09				1.09												
2020	12	10				0.14												
2020	12	11				0.09												
2020	12	12				0.03												
2020	12	13				0.12												
2020	12	14				0.33												
2020	12	15				0.08												
2020	12	16				0.55												
2020	12	17				0.75												
2020	12	18																
2020	12	19				0.67												
2020	12	20				0.52												
2020	12	21				0.36												
2020	12	22				1.78												
2020	12	23				0.07												
2020	12	24				0.03												
2020	12	25				0.00												
2020	12	26				0.28												
2020	12	27				0.12												
2020	12	28				0.02												
2020	12	29																
2020	12	30																
2020	12	31																
Summary						7.19		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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